

Product datasheet for **RC239150**

C6orf70 (ERMARD) (NM_001278531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf70 (ERMARD) (NM_001278531) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ERMARD
Synonyms:	C6orf70; dJ266L20.3; PVNH6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC239150 representing NM_001278531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTATTAATAGGGGACCCTATTACCACATGTCTTTCTCCCTCAGTGTATGATATAATTTGTAATC
 TTGGGTTTCAACTCAGAGAAAATTGTGATATCAATAGCATTGTAACCTCAGAATGGTGAAGTATGCTGGAA
 AACAAATCACAGACTGTGTGAGCTACACAGAGTCAGAGCAGGGTCTGGATTACTGGGGAAGCGTGAGGCTG
 CTGGGCCCTGTGTGAGGCTGTCCATTACATTTCTTATCTCTGACCAAGGGGCAATTTGAAATTCGAT
 ATGCACCGTGGTCCAGTGGACAAGTTTCCAGAGTTATTTCTGAAATATTTGATGCCTTGAAAGTCT
 ACAATCTCCTGCTATTTCTTTAGCTTAATGAACTGACATCGTGTCTAGAACGAGCCTTGGGTGATGTA
 TTTTTACTGATTGGGAAGGAATGCCCTTTCTTTAAGAGATCTGCTTTCATCTGAGGAGCTTGCTCAAG
 TCTTCAGTCAGTCTGTGATGAATGTGCTAAAAGTCTTCGTTGGCTCTCCGTGTGGTCTCAACCTGCGTAA
 CGTCTTATGGCATGGGTTTTCGCTCACCTGAAGAAATTCCTCCAAAATACTGTTCAATGATGATACTGTTG
 ACGGCAGGATTGGGTGAGTACTGAAGAGTTACCTTCAAACACTAAACTTACATTGGCAGATCGCTCTT
 TCATATCTCTTACAAACCTCGAGGATTTGATTGTTTTCTGATGTTACTTATGAGGTGCTTTCAGTATT
 AGAAGAAGTGTGATGAAATCTGCTTTTATATTAATAATCATGTTACCATATTGGGAAGTTGCACTGGTC
 AAGTTCAAGTCACACAGGTTTGTGACTGCGCCATATTGTTGCTGACACAACCTGGAGACTGGACTTAGGA
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 CTTTGATCAAATATTGGCAAAACACTTGAATGATGGTAAAATCAATCAGCTTCTCTTTTCTTGGAGAG
 CCTGCTATGGAATTTCTCTGGGATTTCTGAACCATCAGGAGGGTCCCGCATAAGAGATCATTAAAGCC
 ACGGGGAGATCAACTTACATGAATTTTCAAAGAAACAATAATCAGTTGCTTGCATTTTCTCTTGTACT
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 CCTGAGAATCGTTGTGTGTTAAAGGACTTGGATCGTCTTCTACTGAGACACCAACCAGCGATACGCCGC
 TAGCCCTGGCTCCAGAAAGCCGAGCCTTGCAGGTGAGAAGGAGAGTGAGGCCAGTATCAGACTACT
 GTCCCTGTGCTCAGCCTGATACTGTTACTCATTGCGCTGGAGTTGGTCAACATTCATGCTGTTTGTGGG
 AAGAATGCGCATGAGTATCAGCAGTACCTAAAGTTTGTAAAGTCGATCTTGCAGTACACGGAGAACCTGG
 TGGCTTACACCAGTTACGAAAAGAACAAGTGAATGAAACTATCAATCTTACACATACAGCTTTGTTGAA
 AATGTGGACTTTTGTGAGAAGAAACAATGTTAATACATTTAGCCAAGAAATCCACAAGTAAAGTACT
 TTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239150 representing NM_001278531
 Red=Cloning site Green=Tags(s)

MEVLIGDPITTCCLSPSVYDIICNLGFQLRENCINSIVTQNGEVCWKTITDCVSYTESEQGLDYWGSVRL
 LGPVCEAVHSHFLSLTKGQFEIRYAPWFQWTSFPELPEIFDALESLQSPAISLSLMKLTSCLERALGDV
 FLLIGKECPFLRLDLLSSEELAQVFSQSVMNVLKVFVGSPCGLNLRNVLWHGFASPEEIPPKYCSMMILL
 TAGLGQLLKSYLQNTKLTLAHRFSISLTNLEDLIVFPDVTYEVLVLEEVMMSAFILKIMLPYWEVALV
 KFKSHRFADCAILLTQLETGLRNVFATLNRCPKRLTAESTALYTTFDQILAKHLNDGKINQLPLFLGE
 PAMEFLWDFLNHQEGPRI RDHLSHGEINLHEFSKETTQLLAFSLVLLRFVDDCLLSVFKEKSAVELLI
 SLAEGYSSRCHPVFQLKKQVLSCEESIRVWALLPFPEELTRQAVRLEDNSETNACHSLITKMTDELHYHM
 PENRCVLKDLRLPTETPTSDTPLALAPRPQPCRCRRRVRPSIRLLSPVLSLILLIALELVNIHAVCG
 KNAHEYQQYLKFKVKSILQYTENLVAYTSYEKNKWNINLTHTALLKMWTFSEKKQMLIHLAKKSTSKVL
 L

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

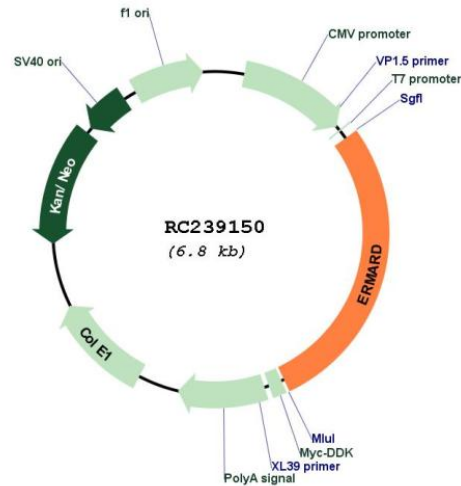
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278531

ORF Size: 1893 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001278531.2](#)

RefSeq Size: 2003 bp

RefSeq ORF: 1896 bp

Locus ID: 55780

UniProt ID: [Q5T6L9](#)

Cytogenetics: 6q27

Protein Families: Transmembrane

MW: 72.4 kDa

Gene Summary: The protein encoded by this gene contains 2 transmembrane domains near the C-terminus and is localized in the endoplasmic reticulum. Knockout of this gene in developing rat brain showed that it may be involved in neuronal migration. Mutations in this gene are associated with periventricular nodular heterotopia-6 (PVNH6). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2013]